

Product datasheet for **SC326889**

GPN3 (NM_001164372) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GPN3
Synonyms:	ATPBDIC
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC326889 representing NM_001164372. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGCTCCCCAAAACAAGAGGTGCCTTCCACTTCAGTATTCCAGATCCTCAGCACATTTGCAAATCGCGA
GGGTACCATACAGGTCAAACGTCTGCACGCAAAACACGGACCGAAGCACGTGGCGCAAGGATGCGGAG
CTTTATCTGTTGTCCGTTATTACTCAGAGCACCTACTGTGCCACCATGGTCCAGCACTGTGAAGCCCTC
AACCGGTCTGTCCAAGTTGTAACCTGGATCCAGCAGCAGAACACTTCACTACTCCGTGATGGCTGAC
ATCCGGGAAGTATCGAGGTGGATGATGTAATGGAGGATGATTCTCTGCGATTCCGTCCCAACGGAGGA
TTGGTATTTTGCATGGAGTACTTTGCCAATAATTTGACTGGCTGGAGAACTGTCTTGCCCATGTAGAG
GACGACTATATCCTTTTGTGTTCCAGGTCAGATTGAGTTGTACACTCACCTGCCTGTGATGAAACAG
CTGGTCCAGCAGCTCGAGCAGTGGGAGTTCGAGTCTGTGGAGTTTTCTTGTGATTCTCAGTTCATG
GTGGAGTCATTCAAGTTTATTTCTGGCATCTTGGCAGCCCTGAGTGCCATGATCTCTAGAAATTCG
CAAGTCAACATCATGACAAAATGGATCTGCTGAGTAAAAAGCAAAAAGGAAATTGAGAAATTTTA
GATCCAGACATGTATTCTTTATTAGAAGATTCTACAAGTGACTTAAGAAGCAAAAATTCAGAAACTG
ACTAAAGCTATATGTGGACTGATTGATGACTACAGCATGGTTTCGATTTTACCTTACGATCAGTCAGAT
GAAGAAAGCATGAACATTGTATTGCAGCATATTGATTTGCCATTCAATATGGAGAAGACCTAGAAATT
AAAGAACCAAGGAACGTGAAGATGAGTCTTCTCTATGTTTGACGAATATTTCAAGAATGCCAGGAT
GAATGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001164372



Insert Size:	972 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001164372.1</u>
RefSeq Size:	1626 bp
RefSeq ORF:	972 bp
Locus ID:	51184
UniProt ID:	<u>Q9UHW5</u>
Cytogenetics:	12q24.11
MW:	37.4 kDa
Gene Summary:	Small GTPase required for proper localization of RNA polymerase II (RNAPII). May act at an RNAP assembly step prior to nuclear import.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate 5' exon, resulting in a distinct 5' UTR and translation initiation at an alternate start codon, compared to variant 1. The encoded isoform (2) has a longer and distinct N-terminus, compared to isoform 1.